

What is claimed is:

1 (1. A slider comprising:
2 a slider body;
3 first and second rails extending in a longitudinal direction along the slider body where
4 the leading edges of said rails are spaced from a leading edge of the slider body;
5 a first structure having a first depth and extending from a leading edge of the body to
6 leading edges of the first and second rails and between the first and second rails;
7 a second structure having a second depth disposed adjacent to said first structure and
8 between said first and second rails, said second depth being lower than said first depth; and
9 wherein said first structure extends over one-third of a length of the slider body from
10 the leading edge of the slider body.

11 2. The slider of claim 1 further comprising:
12 a compression pad disposed proximately to a trailing edge of said slider body.

13 3. The slider of claim 2 wherein said compression pad has a height that is the same as a
14 height of said first and second rails.

15 4. The slider of claim 3 wherein said compression pad includes a third structure having a
16 third depth.

17 5. The slider of claim 4 wherein said third depth is the same as the first depth.

1 6. A slider comprising:
2 a slider body;
3 first and second rails extending in a longitudinal direction along the slider body;
4 a first structure having a first height and extending from a leading edge of the body
5 and between the first and second rails;
6 a second structure having a second height disposed adjacent to said first structure and
7 between said first and second rails, said second height being lower than said first height; and
8 wherein said first structure extends over one-third of a length of the slider body from
9 the leading edge of the slider body.

10 7. The slider of claim 6 further comprising:
11 a compression pad disposed proximately to a trailing edge of said slider body.

12 8. The slider of claim 7 wherein said compression pad has a height that is the same as a
13 height of said first and second rails.

14 9. The slider of claim 8 wherein said compression pad includes a third structure having a
15 third depth.

16 10. The slider of claim 9 wherein said third depth is the same as the first depth.

1 11. A head suspension assembly comprising:
2 a flexure; and
3 a slider coupled to said flexure, said slider including
4 a slider body;
5 first and second rails extending in a longitudinal direction along the slider body where
6 the leading edges of said rails are spaced from a leading edge of the slider body;
7 a first structure having a first depth and extending from a leading edge of the body to
8 leading edges of the first and second rails and between the first and second rails;
9 a second structure having a second depth disposed adjacent to said first structure and
10 between said first and second rails, said second depth being lower than said first depth; and
11 wherein said first structure extends over one-third of a length of the slider body from
12 the leading edge of the slider body.

12. The head suspension assembly of claim 11 further comprising:
a compression pad disposed proximately to a trailing edge of said slider body.

1 13. The head suspension assembly of claim 12 wherein said compression pad has a height
2 that is the same as a height of said first and second rails.

1 14. The head suspension assembly of claim 13 wherein said compression pad includes a
2 third structure having a third depth.

1 15. The head suspension assembly of claim 14 wherein said third depth is the same as the
2 first depth.

1 16. A head suspension assembly comprising:
2 a flexure;
3 a slider coupled to said flexure, said slider including
4 a slider body;
5 first and second rails extending in a longitudinal direction along the slider body;
6 a first structure having a first height and extending from a leading edge of the body
7 and between the first and second rails;
8 a second structure having a second height disposed adjacent to said first structure and
9 between said first and second rails, said second height being lower than said first height; and
10 wherein said first structure extends over one-third of a length of the slider body from
11 the leading edge of the slider body.

17. The head suspension assembly of claim 16 further comprising:
a compression pad disposed proximately to a trailing edge of said slider body.

1 18. The head suspension assembly of claim 17 wherein said compression pad has a height
2 that is the same as a height of said first and second rails.

1 19. The head suspension assembly of claim 18 wherein said compression pad includes a
2 third structure having a third depth.

1 20. The head suspension assembly of claim 19 wherein said third depth is the same as the
2 first depth.

1 21. A disk drive comprising:
2 a recording medium adapted to be rotated at a given velocity;
3 a flexure;
4 a slider coupled to said flexure and adapted to fly above said recording medium when
5 rotated, the slider including
6 a slider body;
7 first and second rails extending in a longitudinal direction along the slider body where
8 the leading edges of said rails are spaced from a leading edge of the slider body;
9 a first structure having a first depth and extending from a leading edge of the body to
10 leading edges of the first and second rails and between the first and second rails;
11 a second structure having a second depth disposed adjacent to said first structure and
12 between said first and second rails, said second depth being lower than said first depth; and
13 wherein said first structure extends over one-third of a length of the slider body from
14 the leading edge of the slider body.

22. The disk drive of claim 21 further comprising:
a compression pad disposed proximately to a trailing edge of said slider body.

23. The disk drive of claim 22 wherein said compression pad has a height that is the same as a height of said first and second rails.

24. The disk drive of claim 23 wherein said compression pad includes a third structure having a third depth.

25. The disk drive of claim 24 wherein said third depth is the same as the first depth.

26. A disk drive comprising:
a recording medium adapted to be rotated at a given velocity;
a flexure;
a slider coupled to said flexure and adapted to fly above said recording medium when rotated, the slider including
a slider body;
first and second rails extending in a longitudinal direction along the slider body;
a first structure having a first height and extending from a leading edge of the body and between the first and second rails;
a second structure having a second height disposed adjacent to said first structure and between said first and second rails, said second height being lower than said first height; and

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wherein said first structure extends over one-third of a length of the slider body from the leading edge of the slider body.

27. The disk drive of claim 26 further comprising:
a compression pad disposed proximately to a trailing edge of said slider body.

1 28. The slider of claim 27 wherein said compression pad has a height that is the same as a
2 height of said first and second rails.

1 29. The disk drive of claim 28 wherein said compression pad includes a third structure
2 having a third depth.

1 30. The disk drive of claim 29 wherein said third depth is the same as the first depth.